

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Laurie A. HODGINS and Fred WASSMUTH

Serial No. : 10/585,397 Group Art Unit:

Filing Date : July 6, 2006 Examiner:

Title : **METHOD OF REDUCING
WATER INFLUX INTO GAS WELLS**

Entity Status : Large Entity

Our Docket : RR-623 PCT/US

CERTIFICATE UNDER 37 CFR 1.8 (a)

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on October 6, 2006


Attorney For Applicants

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 CFR 1.56, enclosed is a completed Form PTO-1449 listing the U.S. and foreign patent documents and non-patent literature documents cited by Applicant. Copies of the foreign patent and non-patent literature documents are enclosed.

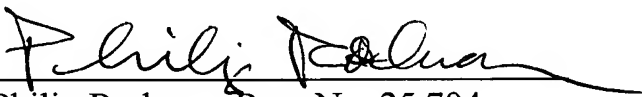
Copies of the U.S. patents are not enclosed pursuant to the provisions of MPEP § 609 III A(2).

Applicants respectfully request that the Examiner consider all documents listed in the Information Disclosure Statement in the examination of this application.

Since a first Office Action on this patent application has not yet been received, Applicants believe that no fee is chargeable for the filing of this Information Disclosure Statement.

However, should any fee be necessary in connection with the filing of this Information Disclosure Statement, please debit our Deposit Account No. 18-1743.

Respectfully submitted,


Philip Rodman, Reg. No. 25,704
Attorney for Applicants

Dated: October 6, 2006

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1024-13

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	3
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Complete if Known

Application Number	10/585,397
Filing Date	July 6, 2006 (national entry)
First Named Inventor	Laurie A. Hodgins
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	RR-623 PCT/US

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				
		CA 2,411,771	05-15-2003	Hirasaki et. al.		

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	10/585,397
		Filing Date	July 6, 2006 (national entry)
		First Named Inventor	Laurie A. Hodgins
		Art Unit	Unknown
		Examiner Name	Unknown
Sheet 2 of 3	Attorney Docket Number RR-623 PCT/US		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Al-Sharji, Hamed H., et. al., "Pore-Scale Study of the Flow of Oil and Water through Polymer Gels," SPE 56738, Society of Petroleum Engineers, 1999, 8 pages	
		Alban, Norman and Gabitto, Jorge, "Surfactant-Polymer Interaction in Enhanced Oil Recovery," Prairie View A&M University, Chemical Engineering Department, undated, 16 pages	
		Koehler, S.A. et. al., "Dynamics of foam drainage," Physical Review E, Vol. 58, No. 2, August 1998, pp. 2097-2106	
		Dovan, H.T. and Hutchins, R.D., "New Polymer Technology for Water Control in Gas Wells," SPE Production and Facilities (November 1994), pp. 280-286	
		Wawro, K.J. et. al., "Reducing Water Production in a Naturally Fractured Gas Well ...," SPE Paper 59746 presented at 2000 SPE/CERI Gas Technology Symposium, Calgary, April 3-5, 2000, 8 pages	
		Sydansk, R.D., "A Newly Developed Chromium (III) Gel Technology," SPERE (August 1990) pp. 346-352	
		Bernard, G.G. et. al., "Effect of Foam on Trapped Gas Saturation and on Permeability of Porous Media to Water," SPEJ (December 1964), pp. 295-300	
		Vassenden, F. and Holt, T., "Experimental Foundation for Relative Permeability Modeling of Foam," SPE Paper 39660 presented at 1998 SPE/DOE Improved Oil Recovery Symposium, Tulsa, April 19-22, 1998, pp. 73-83	
		Persoff, P. et. al., "A Laboratory Investigation of Foam Flow in Sandstone at Elevated Pressure," SPE Reservoir Engineering (August 1991) 365 (14 pp.)	
		Khatib, Z.I. et. al., "Effects of Capillary Pressure on Coalescence and Phase Mobilities in Foams Flowing Through Porous Media," SPE Reservoir Engineering (August 1988) pp. 919-926	

Examiner Signature	Date Considered
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
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		Filing Date	July 6, 2006 (national entry)
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		Examiner Name	Unknown
Sheet 3	of 3	Attorney Docket Number	RR-623 PCT/US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Sydansk, R.D. and Southwell, G.P., "More Than 12 Years of Experience With a Successful Conformance-Control Polymer Gel Technology," SPE Paper 49315 prepared for presentation at the 1998 SPE Annual Technical Conference, New Orleans, Sept. 27-30, pp. 841-851	
		Elmkies, P. et. al., "Polymer Effect on Gas/Water Flow in Porous Media," SPE Paper 75160 presented at the 2002 SPE/DOE Symposium on Improved Oil Recovery, Tulsa, April 13-17, 7 pages	
		Seright, R. S., "Use of Preformed Gels for Conformance Control in Fractured Systems," SPE Production and Facilities, (February 1997), pages 59-65	
		International Search Report dated March 29, 2005 and International Preliminary Report on Patentability dated July 10, 2006 from the ISA in corresponding PCT International Application PCT/CA2005/000009	

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